IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 842, 843 I., 20th September 1897.

SEPTEMBER.

Cross Drainage Works

Forwarding copy of Proceedings sanctioning estimates amounting to Rs. 3,000 for constructing — in the 3rd branch channel of the Periyár main canal, Periyár Project.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 23rd July 1897, No. 1040 M.D.

I have the honour to forward for your approval and sanction the marginally-noted estimates for cross drainage works in the 3rd branch channel of the Periyár main canal.

3rd Branch Channel.

	RS.
(1) Constructing a palmyra spout at 1 mile 7 furlongs and 100 feet, estimate	120
(2) Superpassage at 2 miles 3 furlongs, estimate	750
(3) Superpassage at 2 miles 6 furlougs and 200 feet, estimate	690
(4) Superpassage at 3 miles 3 furlongs, estimate	770
(5) Palmyra spout at 3 miles 5 furlongs and 60 feet, estimate	100

2. In the revised estimate for the project sanctioned in G.O., No. 97 I., dated 3rd February 1894, provision is made for a superpassage at 1 mile 3 furlongs and 50 feet (item No. 530) to pass the Kallanai Konmoi surplus into the Siruvalai Periyakonmoi and no provision was made for other cross drainage works lower down the channel.

3. From the survey map submitted it will be seen that the 3rd branch channel runs through certain zemindari and inam lands and also through a zemin tank called Ambalanadi. The Executive Engineer reports that the interested zemindars and inamdars are not willing to come to any terms with the Government, and it therefore becomes necessary to provide for passing the surplus of tanks, which the channel banks would cut off, across the channel to tanks below, and also to pass water for irrigation purposes across the channel. Three superpassages and two palmyra spouts are required for which estimates and designs are herewith submitted.

4. The total cost of the above works has been estimated to be Rs. 2,430 and as the channel cannot be made use of until these works are constructed, they should be classed as remunerative; it is, however, not possible to say what the returns on the proposed outlay will be. The probable date of completion of these works is April 1899.

Enclosures.

Estimate Form—Abstract—Classified.

Sub-head.	Names of works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	RS.	
	49. Irrigation.					
	Periyár Project.					
	Open Capital Account.					
	I. Works.					
	3. Distributaries.					
	3rd Branch channel.					
	Unremunerative work.					
	Constructing cross drainage works.					
	Proposed palmyra spout at 1 mile 7 furlongs and 100 feet.					
3. Works ..	(1) Palmyra spout	120	120			
	Proposed superpassage at 2 miles 3 furlongs.					
Do. ..	(2) Superpassage	750	750			
	Proposed superpassage at 2 miles 6 furlongs and 200 feet.					
Do. ..	(3) Superpassage	690	690			
	Proposed superpassage at 3 miles 3 furlongs.					
Do. ..	(4) Superpassage	770	770			
	Proposed palmyra spouts at 3 miles 5 furlongs and 60 feet.					
Do. ..	(5) Palmyra spout	100	100			
	Total, I. Works ..	..	..	2,430		
	II. Establishment ..	..	..	559		
	III. Tools and plant ..	..	..	11		
			Total estimate	..	3,000	

Report to accompany the estimate for constructing a palmyra spout at 1 mile 7 furlongs and 100 feet in the 3rd branch channel.

	RS.
Amount of estimate	120

The channel passes through the wet lands under Inam Paralai tank, and it is proposed to construct a palmyra spout as per accompanying plan to take the tank water on the left for irrigating the fields on the right side.

The work will be carried out in accordance with the standard specification current in the department.

5th May 1897.

(Signed) T. W. S. SMYTH,
Ex. Engr. on Special Duty.

Report to accompany the estimate for constructing a superpassage at 2 miles 3 furlongs in the 3rd branch channel.

	RS.
Amount of estimate	750

The channel crosses at 2 miles 3 furlongs the surplus from the left flank of zemin Siruvalai tank to zemin Ambalathadi tank. As no masonry work is provided for passing the surplus, the channel is breached every year. The zemindar is not willing to come to any terms with the Government and would not even permit his ryots to apply for the Periyár water. As no water could be let in the channel, if the breach is allowed to exist, it is proposed to construct a superpassage as per accompanying plan.

The work will be carried out in accordance with the standard specification current in the department.

5th May 1897.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Works.

Report to accompany the estimate for constructing a superpassage at 2 miles 6 furlongs and 200 feet, 3rd branch channel.

	RS.
Amount of estimate	690

The channel at 2 miles 6 furlongs 200 feet passes through the bed of zemin Ambalathadi tank at its right flank. The small zemin tank by name Visuvanaikanyendal is entitled to the surplus water passing over the natural escape at the right flank of the former tank. The zemindar is not willing to come to any terms with the Government and would not even permit his ryots to apply for the Periyár water. It therefore becomes necessary to construct a masonry work at the site and provision is accordingly made in the estimate for constructing a superpassage as per accompanying plan.

The work will be carried out in accordance with the standard specification current in the department.

5th May 1897.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Works.

Report to accompany the estimate for constructing a superpassage at 3 miles 3 furlongs in the 3rd branch channel.

	RS.
Amount of estimate	770

The channel at 3 miles 3 furlongs crosses the supply channel to inam Sambaikulam tank and as the inamdar has not yet come to any terms with the Government for using the Periyár water, a masonry work has to be provided for passing the mamool supply to the tank. It is therefore proposed to construct a superpassage as per accompanying plan.

The work will be carried out in accordance with the standard specification current in the department.

5th May 1897.

(Signed) T. W. S. SMYTH,
Ex. Engr. on Special Duty.

Report to accompany the estimate for constructing a palmyra spout at 3 miles 5 furlongs and 60 feet, 3rd branch channel.

	RS.
Amount of estimate	100

The channel passes through the wet lands under zemin Arayur Melakonmoi, and it is proposed to construct a palmyra spout as per accompanying plan to take the tank water on the left for irrigating the fields on the left side.

The work will be carried out in accordance with the standard specification current in the department.

5th May 1897.

(Signed) T. W. S. SMYTH,
Ex. Engr. on Special Duty.

No. 178 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, VI Circle, submits for sanction estimates aggregating Rs. 2,430 for cross drainage works in the 3rd branch channel of the Periyár main canal, and reports that the channel cannot be made use of until these works are constructed. It is recommended that the estimates be sanctioned and the works classed as "unremunerative," as the works are not directly remunerative in themselves but being necessary for the canal can justly be charged to capital. The works are really part of the 3rd branch channel and would probably have been provided for in the establishment for that channel had it been known that no agreement could be made with the zemindar about taking the water. This cannot be done now as the accounts of the 3rd branch channel are closed.

7th August 1897.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 842 I., dated 20th September 1897.

The estimates amounting to Rs. 3,000 * for constructing cross drainage works in the 3rd branch channel of the Periyár main canal, Periyár Project, are sanctioned.

* Including "Establishment" and "Tools and Plant" charges.

2. This sanction is registered as No. 82 I. of 1897–98 and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India.

[Here enter No. 843 I., dated 20th September 1897.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with nineteen enclosures.
" Examiner, Public Works Accounts.

ENDORSEMENT—No. 843 I., dated 20th September 1897.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. P. Seetharam.

X His Excellency the Governor.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

8 P

Estimate for cross drainage works in the 3rd Branch Chl. of the Periyar Main canal

UNDER date the

READ the following

Returned with ? observations above and give Report [illegible]

From the Superg. Engineer, Sixth Circle - (Hc. No. 1040 - M.D. dated 23-7-97)
Note by the Chief Engineer for Irrign. (Hc. No. 178 I. dated 7-8-97).

Proposal [illegible]

Issue

W.H.

14-9-97

The Superg. Engineer, Sixth Circle, submits for sanction estimates aggregating Rupees 2430 for Cross drainage works in the 3rd Branch Channel of the Periyar Main Canal, and reports that the Channel cannot be made use of until these works are constructed. It is recommended that the estimates be sanctioned and the works classed as "unremunerative" as the ~~Supg Engineer states that it is not possible to say what the return will be on the proposed outlay~~ works are not directly remunerative in themselves but being necessary for the Canal can justly be charged to Capital. The works are really

part of the 3rd Branch Channel and ~~should~~ would probably have been provided for in the estt. for that channel had it been known that no agreement could be made with the Zemindar about letting the water. This cannot be done now as the ~~estt. for the~~ accounts of the 3rd Branch Chl. are closed.

Order thereon No. 842 I, 20-9-97

The estimates amounting to Rupees 3000* for constructing Cross drainage

* including "Establishment" and "Tools & plant" charges.

drainage works in the 3rd Branch Channel of the Periyar Main Canal, Periyar Project, are sanctioned.

2. This sanction is registered as No. 82 I. of 1897-98, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India.

J.H.
4/8/97.

W.H.

No. 863 I. 20 Sep 97

2.14
11.9.97

Recd
14/9/97

Indorsement.

Forwarded.

7.8.97 W.H.
I

To The Chief Engr. for Irrigation
" Supg. Engineer, Sixth Circle with 19 Enclos
" Examiner, P.W. Accounts

J.H.
4/8/97

E. I. Form No. 1—1,000—2-2-97.

Public Works (1897) Department.

CURRENT No. 9302

Order

8412

8239
8451

From The Chief Engr for Irrn

No. 1789

Dated 7-8-97

Received 18.8.97

Enclosures ~~14~~ 26 (7 Plans)

Spare copies

SUBJECT.

3rd Branch Channel of the Periyar main Canal - Periyar Project - Estimates for constructing cross drainage works in the - Recommends, that the estimate for - be sanctioned and the works classed as unremunerative

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

C.E.9.
27-7-97.

Public Works (1897) Department.

CURRENT No. 88 M.D.

Order

From
The Supg Engineer
N. Circle

No. 1040. M.D.

Dated 23rd July 1897.
Received 27. do
Enclosures 14.—
Spare copies

SUBJECT.

3rd Branch Channel of the Periyar Main Canal — forwards certain estimates for Cross drainage works in the — for approval and sanction.

To C.E. to check the estimates

ICCB 27/7/97

27/7/97

27-7-97

BACK PAPERS.

No.	Date.
R 118658	14.2.945

FURTHER PAPERS.

No.	Date.

10842-89

Print

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
	Capital Expenditure not charged to Revenue.					
	49, Irrigation –	Rs	Rs	Rs	Rs	
	Periyar Project					
	Open Capital Account.					
	I – Works.					
	3, Distributaries.					
	3rd Branch Channel					
	~~3rd Branch [illegible] Proposed~~					
	Unremunerative Work.					
	Constructing Cross drainage works. ~~in the~~; –					
	Proposed Palmyrah Spout at 1 mile 7 fur 400 ft					
	~~3 Distributaries~~					
3 – Works	(1) Palmyrah Spout	120				
			120			
	Proposed Superpassage at 2 M. 3 F.					
3 – Works	(2) Superpassage	750				
			750			
	Proposed Superpassage at 2 M. 6 F. + 200 feet					
3 – Works	(3) Superpassage	690				
			690			
	Proposed Superpassage at 3 M. 3 furlong					
3 – Works	(4) Superpassage	770				
			770			
	Proposed Palmyrah Spouts at 3 M. 5 fur + 60 feet					
3 – Works	(5) Palmyrah Spout	100				
			100			
	Total – I – Works – ~~Rupees~~ Rupees			2430		
	II – Establishment –			559		
	III – Tools & plant –			11		
	Total Estimate –				3,000 –	

Sanctioned in G.O. [illegible] 8429 [illegible] 5 Sept 97

Registered [illegible] 82 [illegible] Sept 97

O. T. Hovelly(?) Lt. Col. R.E.

Supg Engineer 6th Circle

23-7-97

Station

Dated 188 .

Executive Engineer.

REFERENCE TO MADRAS P. W. D. CODE.

CHAPTER VII—PARAS 968 & 968 A.

CHIEF ENGINEER
FOR IRRIGATION.
27 JUL. 1897
88 M.D

P. W. D. Madras.
Form No. M. 77 g.

ESTIMATE FORM—ABSTRACT CLASSIFIED.

1

IRRIGATION.

Sixth CIRCLE.

DIVISION— Madura

DISTRICT— Madura

To accompany the Detailed Estimate No.
of 188 -8 , for* Constructing Cross drainage works in the 3rd Branch channel Periyar Project

* Here enter the Name and Description of work in full.

Pw 3. 5
4307/98

Enclo. No. 1 to S-E-6th No. 1040. M.D. / 23·7·97

Print 35P

Report to accompany the Estimate for constructing a palmyrah spout at 1 mile 7 furlongs & 100 feet in the 3rd Branch channel

Amount of Estimate Rs ~~115~~ 120-0-0

The channel passes through the wet lands under Inam Paralai tank and it is proposed to construct a palmyrah spout as per accompanying plan to take the tank water on the left for irrigating the fields on the right side.

The work will be carried out in accordance with the standard specification current in the Department

J W Smyth
Executive Engineer
on special duty

5/5/97

CHIEF ENGINEER
FOR IRRIGATION.
27 JUL. 1897
No.....................................

Ows.2
530497

Part

48P

Report to accompany the Estimate for Constructing a superpassage at 2 miles 3 Furlongs in the 3rd Branch channel.

Amount of Estimate Rs 750

The channel crosses at 2 mile 3 Fur. the Surplus from the left flank of Zemin Sinivalai Tank to Zemin Ambalathadi tank. As no masonry work is provided for passing the Surplus the channel is breached every year. The Zemindar is not willing to come to any terms with the government and would not even permit his ryots to apply for the Periyar water. As no water could be let in the channel, if the breach is allowed to exist it is proposed to construct a superpassage as per accompanying plan.

The work will be carried out in accordance with the Standard Specification Current in the department.

J W L Smyth
Executive Engineer
Spl. Periyar works.

5/5/97

CHIEF ENGINEER
FOR IRRIGATION.
27 JUL. 1897
No.....................................

PWS.D
4302/97

Print

558

Report to accompany the Estimate for Constructing a Superpassage at 2 M. 6 F. 200 ft. 3rd Branch Channel.

Amount of Estimate Rs ~~700~~ 690

The Channel at 2 M. 6 F. 200 ft. passes through the bed of Zemin Ambalathadi tank at its right flank. The small Zemin tank by name Visuvanaikan Yendal is entitled to the surplus water passing over the natural escape at the right flank of the former tank. The Zemindar is not willing to come to any terms with the Government and would not even permit his ryots to apply for the Periyar water. It therefore becomes necessary to construct a masonry work at the site and provision is accordingly made in the estimate for constructing a Superpassage as per accompanying plan.

The work will be carried out in accordance with the Standard Specification current in the Department.

J W Smyth
Executive Engineer
Spl. Periar Works

5/5/97

CHIEF ENGINEER
FOR IRRIGATION.
27 JUL. 1897
No.........

D.E. 11
5302/97

Print/

68P

Report to accompany the Estimate for constructing a Superpassage at 3 miles 3 furlongs in the 3rd Branch channel

Amount of Estimate Rs ~~800~~ 770

The channel at 3 m. 3 f crosses the supply channel to Inam Sambaikulam tank and as the Inamdar has not yet come to any terms with the Government for using the Periyar water, a masonry work has to be provided for passing the mamool supply to the tank. It is therefore proposed to construct a Superpassage as per accompanying plan

The work will be carried out in accordance with the standard specification current in the Department

J W Smyth
5/5/97 Exe. Engineer
on special Duty

CHIEF ENGINEER
FOR IRRIGATION.
27 JUL. 1897
No.

Pait

78P

Report to accompany the Estimate for constructing a palmyrah spout at 37 mile 5 fur. +60 ft off 3rd Branch channel

Amount of Estimate Rs ~~98~~ 100

The channel passes through the wet lands under Zemin arayur Melakonnoy and it is proposed to construct a palmyrah spout as per accompanying plan to take the tank water on the left for irrigating the fields on the left side.

The work will be carried out in accordance with the standard specifications current in the Department

J W Smyth
Executive Engineer
on special duty

5/5/97

CHIEF ENGINEER
FOR IRRIGATION.
27 JUL. 1897
No.................................

No. 1040 R.D.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 23rd July 1897.
$\frac{}{26th}$.

From
Lt Col. O. V. Boddy R.E.
~~The~~ Sperintending Engineer,
6th Circle.

To

The Chief Engineer,
for Irrigation

SIR,

ENCLOSURES.

3rd Branch Channel.
(1) Constructing a Palmyra Spout at 1 mile 7 fur & 100 ft. Estimate Rs 120.
(2) Superpassage at 2 miles 3 fur: Estimate Rs 750
(3) Superpassage at 2 miles 6 fur & 200 ft. Estimate: Rs 690
(4) Superpassage at 3 miles 3 fur: Estimate Rs 770.
(5) Palmyra Spout at 3 miles 5 fur: & 60 ft. Estimate Rs 100.

I have the honor to forward for your approval and sanction the marginally noted estimate for Cross Drainage works in the 3rd Branch Channel of the Periyar Main Canal.

2. In the revised estimate for the project sanctioned in G.O. No: 97 I d/3 February 1894, provision is made for a superpassage at 1 mile 3 furlongs and 50 feet (Item No: 530) to pass the Kallanai Konmoi surplus into the Siruvalai Periyakonmoi and no provision was made for other Cross drainage works lower down the Channel.

1P

200—20-4-96

3. From the Survey map submitted it will be seen that the 3rd Branch Channel runs through certain Zemindary & Inam lands and also through a Zemin tank called Ambalanadi. The Executive Engineer reports that the interested Zemindars and Inamdars are not willing to come to any terms with the Government and it therefore becomes necessary to provide for passing the surplus of tanks, which the channel banks would cut off, across the channel to tanks below, and also to pass water for irrigation purposes across the channel. 3 Superpassages and 2 Palmyrah spouts are required for which estimates and designs are herewith submitted.

4. The total cost of the above works has been estimated to be Rs 2,430 and as the channel cannot be made use of until these works are constructed, they should be classed as remunerative; it is however not possible to say what the returns on the proposed outlay will be. The probable date of completion

of

No

Then they should be classed as unremunerative

ICES
27/7/87

of these works is April 1899.

I have the honor to be
Sir,
Your most obedient Servant,
[illegible signature]
Lt Col. R.E.
Superintending Engineer
[illegible]

Construction from an engineering point of view: and that the cost can be justly charged to capital and not to Revenue

[illegible initials] [illegible date]

Enclosures:- 14.

1. Classified abstract
1. Survey.
1. Longl. Section
5. Plans.
1. General Estimate with tabular statement
5. Estimates each with a report

14

M.E.1.

~~[illegible]~~ as the works referred to are "not "in themselves directly "remunerative" but "are necessary "for the full development of the "project" they can be charged to capital under para 35 of the Code Vol II as the code [illegible] in such cases is that the report showing the justify [illegible]

P. W. D. 6th CIRCLE.

CHIEF ENGINEER FOR IRRIGATION.
27 JUL. 1897
No. 8883

FROM

THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

TO

THE CHIEF ENGINEER,

NO.

Dated.
Received. } 189 .

Enclosure.

Recd 1
930/57